WELCOME TO THE
2011 ANNUAL MEETING
OF THE
FLORIDA STATE
HORTICULTURAL SOCIETY
WITH
FEATURED SPEAKERS
TECHNICAL SESSIONS
WORKSHOPS
ON
“How Will Recent Legislations Impact Florida Horticulture?”

June 5 to 7, 2011

Vinoy Renaissance Resort and Golf Club
501 5th Avenue NE
St. Petersburg, FL 33701

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# 2011 Program Contents

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## Mark Your Calendars!

### 2012 FSHS Annual Meeting:
Delray Beach Marriott – Beach Resort  
Delray Beach, FL 33483  
June 3-5, 2012

### 2013 FSHS Annual Meeting:
Sarasota Hyatt Regency  
Sarasota, FL 34236  
June 2-4, 2013
**PROGRAM OVERVIEW**

<table>
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<tr>
<th>Registration Desk Hours</th>
<th>Lobby Foyer</th>
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<tr>
<td>Sunday June 5</td>
<td>2:00 PM - 6:30 PM</td>
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<tr>
<td>Monday June 6</td>
<td>7:00 AM - 6:00 PM</td>
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<tr>
<td>Tuesday June 7</td>
<td>7:00 AM – 11:30 AM</td>
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**Sunday Afternoon**

1:00-5:00 Certified Horticulturist Examination  
2:00-4:00 FSHS Board of Directors Meeting  
3:00-4:30 Posters Set up, Brad Burbaugh  
4:30-6:00 Opening Ceremony, Jeff Brecht  
4:45-5:30 Opening Session Speaker:  
Dr. Rodney Clouser, Professor and Associate Chair, UF/IFAS Food and Resource Economics Dept.  
"Involvement in Florida's Local Government Public Policy Process: The Structure of Policy Involvement, A Model for Policy Involvement, The Role of Science/Academics, and Is Science/Academics the Crucial Determinant in the Policy Choice?"  
5:30-6:00 Awards  
6:00-7:00 Welcome Reception *(Included in paid conference registration)*

**Monday Morning**

7:00-8:00 Continental Breakfast *(Included in paid conference registration)*  
7:30-8:15 Poster Session, Brad Burbaugh  
(See list of posters on p. 12)  
8:30-9:45 General Session  
8:30 Introduction and Welcome  
8:40 Presidential Address:  
Richard Tyson, FSHS President  
9:00 General Session Keynote Speaker:  
Mr. Adam Putnam, Florida Commissioner of Agriculture,
Tallahassee, FL:
“The Road Ahead for Florida Agriculture”
Questions and Answers
9:45 End of General Session
Concurrent Morning Sessions:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Citrus (p.26)</td>
<td>Vinoy Grand Ballroom</td>
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<tr>
<td>11:45</td>
<td>Krome Memorial Institute (p.22)</td>
<td>Plaza C</td>
</tr>
<tr>
<td>10:00</td>
<td>Ornamental, Garden &amp; Landscape (p.18)</td>
<td>Plaza A&amp;B</td>
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<tr>
<td>Noon</td>
<td>Handling &amp; Processing (p.24)</td>
<td>Plaza D</td>
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<tr>
<td>10:00</td>
<td>Vegetable (p.14)</td>
<td>Avery/Chancellor</td>
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<td>11:45</td>
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Monday Lunch

11:45-1:20 Lunch *(on your own)* – at Shawn’s or Alfresco’s

Monday Afternoon

Concurrent Afternoon Sessions:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>1:20-4:45</td>
<td>Citrus</td>
<td>Vinoy Grand Ballroom</td>
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<tr>
<td>1:20-4:30</td>
<td>Krome Memorial Institute</td>
<td>Plaza C</td>
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<td>1:20-5:45</td>
<td>Ornamental, Garden &amp; Landscape</td>
<td>Plaza A&amp;B</td>
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<td>1:20-5:15</td>
<td>Handling &amp; Processing</td>
<td>Plaza D</td>
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<td>1:20-5:45</td>
<td>Vegetable</td>
<td>Avery/Chancellor</td>
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<tr>
<td>4:15-5:30</td>
<td>Focus Team Meeting</td>
<td>Avery/Chancellor</td>
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Monday Evening

6:00-7:00 Industry Reception *(Included in paid conference registration)* | Palm Court Foyer

Tuesday Morning

7:00-8:15 Horticultural Breakfast *(Event ticket required)* | Fred’s

Invited Speaker:
Ms. Mary Ann Gosa, UF/IFAS Director of Government Relations
“How can IFAS help IFAS in the State Legislature”

8:30-9:45 FSHS Annual Business | Vinoy Grand
Meeting: Ballroom
Student Competition Awards, Jose Reyes
Historical Perspectives
Dr. Ed Etxeberria, FSHS
Member at-large:
“Historical Agritainment”

Concurrent Morning Sessions:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>9:50-</td>
<td>Citrus</td>
<td>Vinoy Grand Ballroom</td>
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<tr>
<td>11:30</td>
<td>10:00-10:15 Ornamental, Garden &amp; Landscape</td>
<td>Plaza A&amp;B</td>
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<tr>
<td>11:00</td>
<td>Vegetable</td>
<td>Avery/Chancellor</td>
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<tr>
<td>12:00</td>
<td>All posters are taken down</td>
<td>Mezzanine</td>
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Tuesday Lunch

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>12:00</td>
<td>Extension Luncheon (Event ticket required)</td>
<td>Fred’s</td>
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<tr>
<td>1:15</td>
<td>Invited speaker: Mr. Ted Campbell, Executive Director, Florida Strawberry Growers Association, Plant City, FL:</td>
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<td></td>
<td>“An Industry Perspective on the Impact of Recent Legislation on Florida Agriculture”</td>
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Tuesday Afternoon

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<tr>
<th>Time</th>
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<tr>
<td>1:30-</td>
<td>In-Service Training and Producer Workshop</td>
<td>Vinoy Grand Ballroom</td>
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<tr>
<td>5:00</td>
<td>(Registration to UF-IFAS IST #30126 required)</td>
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<tr>
<td></td>
<td>How Will Recent Legislation Impact Florida Agriculture</td>
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<td></td>
<td>Co-sponsored by FSHS and UF/IFAS Cooperative Extension Service</td>
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<td></td>
<td>End of 2011 Annual meeting. Have a safe trip home, and See you next year!</td>
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VOLUNTEERS NEEDED!

FSHS is a volunteer-run organization. Make a difference, and volunteer your time, leadership, service and talents!

Visit fshs.org and step up!
FLORIDA STATE HORTICULTURAL SOCIETY
2010-2011
BOARD OF DIRECTORS

Chairman of the Board                Jeff Brecht
President                           Richard Tyson
President-elect                     Juanita Popenoe

Sectional Vice-presidents:
Citrus                              Ryan Atwood
Krome Memorial Institute            Gary England
Ornamental, Garden and Landscape    Mike Orfanedes
Handling & Processing               Alvin Cheng
Vegetable                          Danielle Treadwell
Soil and Crops Session             Thomas Obreza

Secretary and Treasurer             Chris Oswalt
Proceedings Editor                  Jan Narciso

2010 Sectional Editors:
Citrus                              Ed Stover
Krome Memorial Institute            Ed Etxeberria
Ornamental, Garden and Landscape    Richard Tyson
Handling & Processing               Jose Reyes
Vegetable                          Sal Locascio
Marketing Coordinator/             Mark Ritenour
Webmaster                          
Members At-large                    Fritz Roka
                                    Ed Etxeberria
Program Coordinator                 Eric Simonne

* * * * * *

ATTENTION FSHS AUTHORS!

DID YOU KNOW?
FSHS welcomes and encourages color pictures and color figures in Proceedings articles?

Did you know that videos can also be linked to Proceedings articles?
Color pictures and figures, and videos are included FREE of CHARGE in the on-line Proceedings.
Take advantage of this possibility and pass the word around!
2011 MEETING FACILITATORS

Meeting Coordinator               Tracy Shawn
Local Arrangements Coordinators   Jane Morse and Theresa Badurek
Sponsorship Coordinator           Gene Albrigo
Student Competitions Coordinator  Jose Reyes
CEU Coordinator                   Barton Wilder
Poster Session Coordinator        Bradley Burbaugh
High School Student Video Competition Coordinator David Hall
FSHS Newsletter Team               Kathy Schneider, Ed Etxeberria and Jim Syvertsen

* * * * * * *

2011 FSHS PATRON MEMBERS

Ed Etxeberria               Mary Lamberts
David J. Hall               Jim Syvertsen

* * * * * * *

DON’T FORGET TO THANK OUR STUDENT SECTION ASSISTANTS!

Citrus: Eduardo Chica (echica@ufl.edu; Dr. Albrigo)

Handling & Processing: Francisco Loayza (Francisco.Loayza@ufl.edu; Dr. Brecht)

Krome Memorial Institute: Libby Rens (libbyrens@gmail.com; Dr. Treadwell)

Ornamental, Garden & Landscape: Connie Johnson (cnjuflhort82@yahoo.com; Dr. Fisher)

Vegetable: Pei-Wen Huang (agnespei@ufl.edu; Dr. Santos)

Poster: Evelyn “Prissy” Fletcher (treehugger@ufl.edu; Dr. Nkedi-Kizza)
**DISPLAYS DURING THE MEETING**

Mezzanine

2012 FSHS Meeting in Delray Beach, FL. Richard Tyson, UF/IFAS Orange County Extension, Orlando, FL.


The UF/IFAS Small Farms Academy. Robert Hochmuth, UF/IFAS NFREC-SV, Live Oak, FL.


UF/IFAS Pinellas County Extension Programs. Jane Morse and Theresa Badurek, UF/IFAS Pinellas County Extension, Largo, FL.

UF/IFAS Citrus Mechanical Harvesting and Abscission Program. Fritz Roka and Barbara Hyman, UF/IFAS Southwest Florida Res. & Edu. Ctr., Immokalee, FL.


* * * * * * *

**WELCOME 2011 FSHS SECTIONAL VICE-PRESIDENTS!**

Citrus: Fritz Roka, UF/IFAS Southwest Florida Research and Education Center, Immokalee, FL. (fmroka@ufl.edu)

Handling & Processing: Gregg McCollum, USDA/ARS Horticultural Research Laboratory, Ft. Pierce, FL. (gmcollum@ushrl.ars.usda.gov)

Ornamental, Garden, & Landscape: Jane Morse, UF/IFAS Pinellas County Extension, Largo, FL. (jvmorse@ufl.edu)

Krome Memorial Institute: Gary England, UF/IFAS Sumter County Extension, Bushnell, FL. (gke@ufl.edu)

Vegetables: David Sui, UF/IFAS Palm Beach County Extension, West Palm Beach, FL. (dsui@ufl.edu)
2011 Meeting Sponsors

Gold Level Sponsor (above $2,000)

Citrus Research and Development Foundation

Yara North America

Silver Level Sponsor ($1,000–1,999)

Bayer CropSciences
(Sponsor of Vegetable Section Best Paper Award)

Helena
(Sponsor of Citrus Section Best Paper Award)

UF/IFAS Soil and Water Science Dept.

Valent BioSciences Corporation
(Sponsor of Krome Memorial Institute Section Best Paper Award)

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Triangle Chemical Company

Pewter Level Sponsor (under $500)

AgraQuest

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FSHS PRESENTATION, PUBLICATION AND SUBMISSION GUIDELINES

Full payment of page charges from past years (http://shop.ashs.org/home.php?cat=270) is required before presentations and submissions can be accepted in current year.

The SENIOR AUTHOR must be a member of the Society, and the PRESENTING AUTHOR of the paper must be registered at the annual meeting (except for invited papers) for papers to be accepted for the Proceedings. Papers not presented at the meeting will not be published.

Electronic submissions are highly encouraged and preferred. Manuscripts should be delivered in FINAL electronic form (1) at the time of meeting to the appropriate section VP or (2) no later than two weeks after the meeting at fshsproc@ashs.org.

Manuscripts to be considered as “refereed” MUST be submitted electronically at the time of the meeting.


* * * * * * *

FSHS PAPER AUTHORS: REMEMBER TO E-MAIL FULL-LENGTH MANUSCRIPTS AT

FSHSPROC@ASHS.ORG

BY JUNE 17, 2011

with copy to the sectional VP:
Citrus: Ryan Atwood, raatwood@ufl.edu
H&P: Alvin Cheng, alvin.cheng@jbtc.com
Krome MI: Gary England, gke@ufl.edu
OGL: Mike Orfanedes, morf@ufl.edu
Vegetable: Danielle Treadwell, ddtreadw@ufl.edu
FSHS STUDENT COMPETITIONS

FSHS offers two competitions for students: Student Best Oral Presentation (SBOPC) and Student Best Paper (SBPC). Awards for the SBCOP will be presented during the Annual Business Meeting at the 2011 FSHS annual meeting in St. Petersburg. The SBPC awards will be announced at the 2012 FSHS annual meeting in Delray Beach. Awardees will receive cash prizes and will be recognized in the Proceedings of FSHS. Students may participate in either or both competitions.

Student Best Oral Presentation Competition (SBOPC):
Entries in the SBOPC are marked in blue in the conference program. The number of entries in the SBOPC is limited to 15 and must be submitted to the sectional VP. Acceptance in the competition is on a first-come, first-serve basis. Participants are judged on importance of the subject to Florida horticulture, scientific merit, organization, awareness of current literature, fluency, clarity of presentation, effective use of figures and tables, report of conclusions, completeness, timing, and response to questions. For more information on the SBOPC competition, contact Jose Reyes at jireyes@ufl.edu.

Student Best Paper Competition (SBPC):
To participate in the SBPC, students must submit a manuscript (use author guidelines for the Proceedings of the FSHS) by email with the subject “Student Best Paper Competition” to fshsproc@ashs.org by June 17, 2011. Student papers will be published in the Proceedings of FSHS. Entries will be judged on relevance to Florida horticulture, scientific merit, experimental design rigor, literature review, completeness, and clarity. For more information on the SBPC competition, Carlene Chase at cachase@ufl.edu.

FSHS STUDENT SCHOLARSHIPS

Attention, students: did you know that FSHS awards ten, $200 scholarships to students attending the Annual Meeting? To apply, submit a less-than-100-word statement describing the importance of attending the FSHS Annual Meeting to the achievement of your personal and professional goals and aspirations at fshs@crec.ifas.ufl.edu by May 23, 2011. The FSHS Board of Directors judges submissions and verifies that the awardees are eligible registered students who have registered for the Annual Meeting. Scholarship checks will be awarded during the annual business meeting; awardees must be registered and present to receive their scholarship check.

* * * * * *
**Poster Session**

*Bradley Burbaugh, Coordinator*
[brad784@ufl.edu]

*Evelyn “Prissy” Fletcher, Student Session Assistant*
[treehugger@ufl.edu]

**Mezzanine**

**Monday Morning Session** (Authors at posters 7:30 – 8:15 am)

**Fungicidal Management of Alternaria Leaf Spot on Parsley.** D. D. Sui, UF/IFAS Palm Beach County Extension, West Palm Beach, FL and R.N. Raid, UF/IFAS Everglades Research and Education Center, Belle Glade, FL. [P-1-V-18]

**Beginning Farmers: Hmong [sic] Grower Meeting Series.** M.E. Henry, UF/IFAS Polk County Extension, Bartow, FL; C. Snodgrass, UF/IFAS Manatee County Extension, Palmetto, FL; and, A. Whidden, UF/IFAS Hillsborough County Extension, Seffner, FL. [P-2-V-19]

**Vegetable Growers in the Suwannee Valley Optimize Fertilizer use by Implementing Best Management Practices.** D. Fenneman, UF/IFAS Madison County Extension, Madison, FL; E. Toro, UF/IFAS Suwannee County Extension, Live Oak, FL; R. Hochmuth and M. Bauer, North Florida Research and Education Center-Suwannee Valley, Live Oak, FL; and, C. Vann, UF/IFAS Lafayette County Extension, Mayo, FL. [P-3-V-20]

**Remove the Confusion of Pesticide Licensing.** S. Haddock, UF/IFAS Hillsborough County Extension, Seffner, FL. [P-4-OGL-26]

**Rain Lilies for Central Florida.** M. D’Abreau, UF/IFAS Hillsborough County Extension, Seffner, FL; Z. Deng, R. Rixom, D. Schwaninger and N. West, UF/IFAS Gulf Coast Research and Education Center, Balm, FL. [P-5-OGL-27]

**Pesticide Formulations: The Benefit of Interactive CORE Workshops.** E.E. Harlow, UF/IFAS Duval County Extension, Jacksonville, FL. [P-6-OGL-28]

**Making Impacts with the North Florida Annual Hay Field Day.** C.B. Sanders, and B.J. Wilder, UF/IFAS Alachua County Extension, Gainesville, FL; D.L. Barber, UF/IFAS Columbia County Extension, Lake City, FL; J.W. Breman, UF/IFAS Florida Partnership for Water, Agriculture & Community Sustainability, Hastings, FL; M.S. Sweat and B. Burbaugh, UF/IFAS Duval County Extension, Jacksonville, FL; D. Fenneman, UF/IFAS Madison County Extension, Madison, FL. [P-7-OGL-33]
Extension, Madison, FL; S.A. Gaul, UF/IFAS Nassau County Extension, Callahan, FL; D.B. Nistler, UF/IFAS Clay County Extension, Green Cove Springs, FL; E.M. Toro, UF/IFAS Suwannee County Extension, Live Oak, FL; and, T.W. Wilson, UF/IFAS Bradford County Extension, Starke, FL. [P-7-SC-1]


Soil Amendments Effects on Soil pH of Biosolids-impacted Soils. Maria L. Silveira, UF/IFAS Soil and Water Science Dept.; E.W. Jennings, UF/IFAS Multi-county Cooperative Extension, Dade City, FL; Bridget Carlisle, UF/IFAS Polk County Extension Service, Bartow, FL; and, Lindsey Wiggins, UF/IFAS Multi-county Cooperative Extension. (mlas@ufl.edu) [P-9-SC-2]

Agronomic Evaluation of Transgenic Sugarcane Lines Mediated with ScMV-CP Gene. Muqing Zhang1,2, Xiaodong Tan2, Miaohong Ruan2, Rukai Chen2 and Charles A. Powell1; 1UF/IFAS Indian River Research and Education Center, Ft. Pierce, FL; 2Synthetic Institute of Sugarcane, Fujian Agri. & Forestry Univ., Fuzhou, 350002, P.R. China. (mqzhang@ufl.edu) [P-10-V-21]

Uncapping the Power of Market Maker: All you Wanted to Know but Never Dared Ask. Allen Wysocki, UF/IFAS Food Resource Economics Dept., Gainesville, FL and Linda Landrum, UF/IFAS NFREC-Suwannee Valley, Live Oak, FL. [P-11-V-22]
Monday Morning Session (10:00 – 11:45 am)

10:00  Welcome and Introductions, Danielle Treadwell

A-Vegetable Pest Management

10:15  Efficacy of Experimental and Registered Miticide Programs for Twospotted Spider Mite on Strawberry. J.F. Price and C.A. Nagle, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL. (jfprice@ufl.edu) [V-1]

10:30  Current Status of Melon Thrips (*Thrips palmi* Karny Thysanoptera: Thripidae) in South Florida. D.R. Seal, UF/IFAS Tropical Research and Education Center, Homestead, FL. (dseal3@ufl.edu) [V-2]

10:45  Yellow Traps for Assessing Diel Pattern of Density of Leafminer, *Liriomyza trifolii* (Diptera: Agromyzidae) and its Parasitoids, *Opius* spp. (Hymenoptera: Braconidae) and *Diglyphus* spp. (Hymenoptera: Eulophidae). J. Li and D.R. Seal, UF/IFAS Tropical Research and Education Center, Homestead, FL; and G.L. Leibee, UF/FAS Mid-Florida Research and Education Center, Apopka, FL. (jli59@ufl.edu) [V-3]

11:00  Evaluation of Herbicides for Management of Weeds in Sweet Basil (*Ocimum basilicum*). David Sui, UF/IFAS Palm Beach County Extension, West Palm Beach, FL; D. Odero and R. Raid, UF/IFAS Everglades Research and Education Center, Belle Glade, FL; and, W.M Stall, Horticultural Sciences Dept., Gainesville, FL. (dsui@ufl.edu) [V-4]

11:15  Evaluation of Acibenzolar-S-Methyl and Silicic Acid for Control of Phytophthora Blight in Squash Caused by *Phytophthora capsici*. S. Zhang, W. Klassen, X. Mo, UF/IFAS Tropical Research and Education Center, Homestead, FL; P. Ji, Dept. of Plant Pathology, Coastal Plain Experiment Station, Univ. of Georgia, Tifton, GA; and, A.J. Gevens, Dept. of Plant Pathology, Univ. of Wisconsin, Madison, WI. (szhang0007@ufl.edu) [V-5]
Evaluation of Sanitizing Agents to Control Fusarium Species on Infested Irrigation Stakes Used for Greenhouse Tomato Production.

Tamika Garrick1, A. Minott2, C. Harmon3, E. Toro4, R.C Hochmuth4 and C.R. Semer IV5. Doctor of Plant Medicine Program1, UF/IFAS Plant Disease Clinic2, UF/IFAS Suwannee County Extension3, UF/IFAS North Florida Research and Education Center- Suwannee Valley4, UF Clinical Trials Program, UF/IFAS, Gainesville, Florida5. (ronika2005@gmail.com) [V-7] (Student Best Oral Presentation Competition Entry)

Monday Afternoon Session (1:20-5:45)

1:20 Welcome and Introductions, Danielle Treadwell

B-Cultural Practices

1:30 Reduced Incidence of Tomato Plants with Symptoms of Tomato Yellow Leaf Curl Virus Infection Grown on UV-Reflective Soil Mulch. D.J. Schuster, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL; and, J.P. Gilreath and P.R. Gilreath, PhytoServices, Greenville, SC. (dschust@ufl.edu) [V-6]

1:45 Snap Bean Variety Evaluations on Yield and Post-harvest Quality in Florida Sandy and Muck Soils. Crystal Snodgrass UF/IFAS Manatee County Extension, Palmetto, FL; M. Ozores-Hampton, UF/IFAS Southwest Florida Research and Education Center, Immokalee, FL; R. Raid, UF/IFAS Everglades Research and Education Center, Belle Glade; G. McAvoy, UF/IFAS Hendry County Extension, LaBelle, FL; and, D. Sui, UF/IFAS Palm Beach County Extension, West Palm Beach, FL. (crys21@ufl.edu) [V-8]

2:00 Growing and Marketing Beets at Local Green Markets in Southeast Florida, 2007-2011. Kenneth D. Shuler, Pei-Ann N. Shuler, Daniel G. Shuler, and Deanna V. Shuler, Stephen’s Produce, Jupiter, FL. (skshuler@aol.com) [V-9]

2:15 Use of Real-Time Florida Automated Network Data in Support of Strawberry Cold Protection and Irrigation Scheduling. K. Morgan, UF/IFAS Southwest Florida Research and Education Center, Immokalee, FL, and William R Lusher, UF/IFAS Information Technology, Gainesville, FL. (rlusher@ufl.edu) [V-10]

2:45  **Response of Over-head Irrigated Snap Bean Yield to N Rates in North Florida.** E. Simonne, Guodong “David” Liu and A. Gazula, UF/IFAS Horticultural Sciences Dept., Gainesville, FL; R. Hochmuth, L. Landrum, D. Gast, L.L. Davis, W. Laughlin, R. Randell, and M. Bauer, UF/IFAS North Florida Research and Education Center-Suwannee Valley, Live Oak, FL; C. Vann, UF/IFAS Lafayette County Extension Service, Mayo, FL; C. Saft and E. Toro, UF/IFAS Suwannee County Extension, Live Oak, FL. (guodong@ufl.edu) [V-12]

3:00  **Vegetable Section Business Meeting**, David Sui

3:15  Break

3:30  **Bell Pepper Production under Protective Structures: Evaluation of Soilless Media, Container Types, and Granular Nitrogen Sources.** Emmanuel Torres-Quezada, Carlos Zambrano-Vaca, and Bielinski M. Santos, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL. (etorres1618@gmail.com) [V-13] *(Student Best Oral Presentation Competition Entry)*

3:45  **Effects of Cell Size on the Production of Containerized Strawberry Transplants in Florida.** Pei-Wen Huang, B.M. Santos, and V.M. Whitaker, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL. (agnespei@ufl.edu) [V-14] *(Student Best Oral Presentation Competition Entry)*

4:00  **Characterization and Management of Lenticel Disorders during Storage of Table Stock Potatoes (Solanum tuberosum L.).** Mildred N. Makani, S.A. Sargent, D.J. Huber, UF/IFAS Horticultural Sciences Dept., Gainesville, FL; and, J.A. Bartz, UF/IFAS Plant Pathology Dept., Gainesville, FL. (mmakani@ufl.edu) [V-23] *(Student Best Oral Presentation Competition Entry)*

4:15  **Fruits and Vegetables Focus Team Meeting (G1C6)**, Steve Sargent

5:45  End of afternoon session

6:00  **Industry Reception** *(Palm Court Foyer; Included in paid conference registration)*

**Tuesday Morning Session (10:00-11:45am)**

10:00  **Welcome and Introductions**, David Sui, VP-elect (dsui@ufl.edu)
10:15 **Evaluation of Freeze Protection Methods and Plant Establishment Methods for Strawberry Production in Florida.** Bielinski M. Santos, T.P. Salame-Donoso, and C.D. Stanley, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL; A.J. Whidden, UF/IFAS Hillsborough County Extension, Seffner, FL; C.A. Snodgrass, UF/IFAS Manatee County Extension, Palmetto, FL; and, M.B. Henry, UF/IFAS Polk County Extension, Bartow, FL. ([bmsantos@ufl.edu](mailto:bmsantos@ufl.edu)) [V-15]

10:30 **Effects of Oxygen Fertilization on Redox Potential of Flooded Soil and Growth of Basil.** Guodong Liu, UF/IFAS Horticultural Sciences Dept., Gainesville, FL; Yuncong Li, and Kati K Migliaccio, UF/IFAS Tropical Research and Education Center, Homestead, FL; and, Teresa Olczyk, UF/IFAS Miami-Dade County Extension Service, Homestead, FL. ([guodong@ufl.edu](mailto:guodong@ufl.edu)) [V-16]

10:45 **The Protected Agriculture Information Network (PAINet): Evaluation of Cultural Practices for Indeterminate Bell Pepper Production under Protective Structures in the Dominican Republic, Nicaragua, Honduras, Costa Rica, and El Salvador.** Bielinski M. Santos¹, T.P. Salame-Donoso¹, H.A. Obregon-Olivas², J.E. Inestroza³, R. Galeano³, M.G. Cuevas⁴, M.V. Saez⁵, M. Martinez⁶, E.A. Torres-Quezada⁷, and C.J. Mendez-Urbaez⁸. ¹UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL; ²Agropecuaria San Antonio, Tecelostote, Nicaragua; ³Corporacion Dinant, Comayagua, Honduras; ⁴Instituto Dominicano de Investigaciones Agropecuarias y Forestales, Santo Domingo, Dominican Republic; ⁵Laboratorio de Tecnologia Poscosecha, Universidad de Costa Rica, San Jose, Costa Rica; ⁶Hidroexpo, San Salvador, El Salvador. ([bmsantos@ufl.edu](mailto:bmsantos@ufl.edu)) [V-17]

11:00 Discussion

11:15 End of program.

12:00 **Extension Luncheon** (Fred's; Event ticket required)

**Vegetable Section Posters:**

- Fungicidal Management of Alternaria Leaf Spot on Parsley. [P-1-V-18]
- Vegetable Growers in the Suwannee Valley Optimize Fertilizer use by Implementing Best Management Practices. [P-3-V-20]
- Agronomic Evaluation of Transgenic Sugarcane Lines Mediated with ScMV-CP Gene. [P-10-V-21]
Monday Morning Session (10:00 – Noon)

10:00 Welcome and Introductions, Mike Orfanedes

A-Garden and Landscape

10:15 Identifying and Developing Non-invasive Varieties in Landscape Plants: Progress and Prospects. Zhanao Deng, S.B. Wilson, G.W. Knox, and R. Freye, UF/IFAS Environmental Horticulture Dept., Gainesville, FL. (zdeng@ufl.edu) [OGL-1]

10:30 Effects of Production Shade Levels and Cultivar Selection on Potted and Cut Caladium Performance in Interiorscapes. Robert Stamps, UF/IFAS Environmental Horticulture Dept. (rstamps@ufl.edu) [OGL-2]

10:45 The Assumed Effects of Cold Weather on the Flowering of Five Ornamental Trees in Southwest Florida. Stephen Brown, Lee County Extension, Ft. Myers, FL. (brownsh@leegov.com) [OGL-3]

11:00 Designing an Edible Landscape or Eat Your Yard. Anita S. Neal, St. Lucie County Extension, Ft. Pierce, FL. (asn@ufl.edu) [OGL-4]

11:15 Does it Pay to Have a Vegetable Garden in South Florida? Adrian G. Hunsberger and M. Lamberts, UF/IFAS Miami-Dade County Extension, Homestead, FL. (aghu@ufl.edu) [OGL-5]

11:30 Creating a Native Id Garden to Teach Sustainable Landscaping Concepts. Michael Orfanedes, UF/IFAS Broward County Extension. Davie, FL. (morfandrides@broward.org) [OGL-6]

11:45 Intense Blooming Days of Several Ornamental Flowering Trees of South Florida. Stephen Brown, Lee County Extension, Ft. Myers, FL. (brownsh@leegov.com) [OGL-7]
Monday Afternoon Session (1:20-5:45pm)

1:20 Welcome and Introductions, Mike Orfanedes

B-Water Quality and Nutrient Management

1:30 Reinforcing Green Industry Best Management Practices Through an Interactive Landscape Field Day. Ed Skvarch, UF/IFAS St. Lucie County Extension, Ft. Pierce, FL. (eask@ufl.edu) [OGL-8]

1:45 Building Sustainable Water Supplies through Rainwater Harvesting. BJ Jarvis, UF/IFAS Pasco County Extension, Dade City, FL. (bjarvis@pascocountyfl.net) [OGL-9]

2:00 Fertilizer Selection as a pH Management Tool in Floriculture Production. Connie Johnson, P.R. Fisher and J. Huang, UF/IFAS Environmental Horticulture Dept., Gainesville, FL. (cnjuflhort82@yahoo.com) [OGL-10] (Student Best Oral Presentation Competition Entry)


2:30 Chemistry of Copper for Algae Control in Irrigation Systems. Gavin S. Mohammad-Pour, D.W. Haskell, J. Huang, and P.R. Fisher, UF/IFAS Environmental Horticulture Dept., Gainesville, FL. (gpour@ufl.edu) [OGL-11]

2:45 Disinfectant Chemicals Used to Control Waterborne Pathogens are Deactivated by Peat Particles in Water. Jinsheng Huang, D.P. Meador, D.B. Decio, W.E. Horner, and P.R. Fisher, UF/IFAS Environmental Horticulture Dept., Gainesville, FL. (huangj@ufl.edu) [OGL-13]

3:00 OGL Sectional Business Meeting, Jane Morse

3:15 Break

3:30 Using Landscape BMP Training to Improve Water Quality. Jane Morse, UF/IFAS Pinellas County Extension, St. Petersburg, FL. (imorse@ufl.edu) [OGL-14]

3:45 Components of Sustainable Production Practices for Container Plant Nurseries. Alejandro Bolques, Florida A&M University Cooperative Extension, Gadsden County
C-Mini-Forum: Sustainability in our Florida Landscape

4:00 Introduction and purpose

4:05 Successful Implementation of Florida-friendly Landscaping in a Community Setting. Lynn Barber, UF/IFAS Hillsborough County Extension, Seffner, FL and B. Niemann, UF/IFAS Florida Friendly Landscaping™ State Office, Gainesville, FL. (labarber@ufl.edu) [OGL-16]

4:50 Lawncare USA: Putting Landscape Sustainability into Practice. Juan Sierra, Lawncare USA, Weston, FL. (juan.sierra@lawncareusa.com) [OGL-17]

5:15 Group Discussion: How to improve sustainability?

5:45 Adjourn

6:00 Industry Reception (Palm Court Foyer; Included in paid conference registration)

Tuesday Morning Session (10:00-Noon)

10:00 Welcome and Introductions, Jane Morse, VP-elect (jvmorse@ufl.edu)

D-Pest Management & Pesticide Applicator Training

10:00 Weevil Problems in the Landscape with Emphasis on Myllocerus undatus (Sri Lanka Weevil). C. Mannion, UF/IFAS Tropical Research and Education Center, Homestead, FL and Henry Mayer, UF/IFAS Miami-Dade County Extension, Homestead, FL. (hmayer@ufl.edu) [OGL-18]

10:15 Performance of Soil Solarization and Methyl Bromide in Sites Infested with Root-knot Nematodes. Robert McSorley, UF/IFAS Entomology and Nematology Dept., Gainesville, FL. (mcsorely@ufl.edu) [OGL-19]

10:30 Countertop Production of Predatory Mites for Public Distribution. Juanita Popenoe, UF/IFAS Lake County Extension, Tavares, FL. (jpopenoe@ufl.edu) [OGL-20]

10:45 Effect of Different Inorganic/synthetic Mulches on Weed Suppression during Soil Solarization. H. K. Gill, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL; and, R. McSorley, UF/IFAS Entomology and Nematology Dept., Gainesville, FL. (harsimrangili.pau@gmail.com) [OGL-21]

11:00 Efficacy of Fungicides for Control of

11:15 Evaluation of Ten Groundcovers as a Landscape Banker Plant in the Absence of Prey. M.E. Henry, UF/IFAS Polk County Extension, Bartow, FL; S. Park-Brown, UF/IFAS Gulf Coast Research and Education Center, Plant City, FL and S. Arthurs, UF/IFAS Mid-Florida Research and Education Center, Apopka, FL. (mbhenry@ufl.edu) [OGL-23]

11:30 A Severe Outbreak of Xanthomonas on Ficus elastica in South Florida. E.V. Campoverde, UF/IFAS Miami-Dade County Extension, Homestead, FL and A.J Palmateer, UF/IFAS Tropical Research and Education Center, Homestead, FL. (evcampoverde@ufl.edu) [OGL-24]

11:45 Using TurningPoint Technology to Train and Evaluate Knowledge Gain by Participants in a Limited Commercial Landscape Maintenance Program. Jane Morse, UF/IFAS Pinellas County Extension, St. Petersburg, FL. (jmorse@ufl.edu) [OGL-25]

12:00 End of program/Extension Luncheon (Fred's; Event ticket required)

Ornamental, Garden and Landscape Section Posters:

Remove the Confusion of Pesticide Licensing. [P-4-OGL-26]
Rain Lilies for Central Florida. [P-5-OGL-27]
Pesticide Formulations: The Benefit of Interactive CORE Workshops. [P-6-OGL-28]

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2011 FSHS ANNUAL MEETING FACTS

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<td>(including 9 Students’)</td>
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<td>In-service Training Presentations</td>
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<td>Total Meeting Presentations</td>
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Monday Morning Session (10:00 – 11:45)

10:00 Welcome and Introductions, Gary England

10:15 FamC30-5-1: A Potential Red Wine Selection for Florida. Z. Ren, J. Lu, X. Xia and F. Bradley. Florida A&M University, Tallahassee, FL. (zxren@hotmail.com) [K-1]

10:30 Resistance Screening for Crown Gall Disease in Various Grapevine Cuttings Inoculated by Agrobacterium vitus C493 and C4612. Xia Xu¹, Jiang Lu¹, Jeong Ho Roh¹,², Zhongbo Ren¹, Fitz Bradley¹, and Hong Huang. ¹Center for Viticulture and Small Fruit Research, Florida A&M Univ., Tallahassee, FL. ²National Horticultural Research Institute, RDA, Suwon 440-706, Korea. (jiang.lu@famu.edu) [K-2]

10:45 Molecular Assessment of synchronized in vitro red cell cultures of American Native Grapes. A.O. Ananga, S. Krastanova, S. Sutton and V. M. Colova (Tsolova), CESTA, Center for Viticulture and Small Fruit Research, College of Engineering Sciences, Technology and Agriculture, Florida A&M University, Tallahassee, FL. (anthony.ananga@gmail.com) [K-3]

11:00 Genetic Transformation of Synchronized in vitro Muscadine Grape Cell Cultures. S. Sutton, S. Krastanova, A. Ananga, S. Leong and V. Colova (Tsolova), Center for Viticulture and Small Fruit Research, Florida A&M University, Tallahassee, FL. (ssutton33@gmail.com) [K-4]

11:15 Enhancing Resveratrol Content of Muscadine Grape Using External Stimulus. Hemanth KN. Vasanthaiah, D. Kambiranda and S.M. Basha, Plant Biotechnology Laboratory, Center for Viticulture and Small Fruit Research, Florida A&M University, Tallahassee, FL. (hemanth.vasanthaiah@gmail.com) [K-5]

11:30 Leaf Net CO₂ Assimilation and Electrolyte Leakage and Alcohol Dehydrogenase Activity in Roots of Mamey Sapote (Pouteria sapota) Trees as Affected by Root Zone Oxygen. M.T. Nickum¹, Jonathan H. Crane¹, B. Schaffer¹ and F.S. Davies². ¹UF/IFAS Tropical Research and Education Center, Homestead, FL. ²UF/IFAS
11:45 End of morning session/Lunch on your own (at Shawn’s or Al fresco’s)

Monday Afternoon Session (1:20-4:30pm)

1:20 Welcome and Introductions, Gary England

1:30 Fertilizer Rates, Application Timing, Growth, and Yields of Papaya Plants in North Central Florida. F.S. Davies¹, Jonathan H. Crane², B. Schaffer², K. Migliaccio² and G. Zalman¹. ¹UF/IFAS Horticultural Sciences Dept., Gainesville, FL. ²UF/IFAS Tropical Research and Education Center, Homestead, FL. (jhcr@ufl.edu) [K-6]

1:45 Time after Scion Harvest and Grafting Method Influence Graft Success Rate for Purple-fruited Pitanga (Eugenia uniflora L.). M.M. Manners¹, John L. Griffis, Jr.² and T.G. McDonald³. ¹Florida Southern College, Lakeland, FL. ²Florida Gulf Coast Univ., Ft. Myers, FL. ³Univ. of Hawai‘i, Manoa, HI. (jgriffis@fgcu.edu) [K-7]

2:00 Field Evaluation of Blueberry Pruning Techniques. Gary K. England¹, R.A. Atwood² and J.G. Williamson³. ¹UF/IFAS Sumter County Extension, Bushnell, FL. ²UF/IFAS Lake County Extension, Tavares, FL. ³UF/IFAS Horticultural Sciences Dept., Gainesville, FL. (gke@ufl.edu) [K-8]

2:30 Pomegranate in Florida for Commercial Enterprises and Homeowners. William S. Castle, J.C. Baldwin and M. Singh, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (bcastle@ufl.edu) [K-9]

2:45 Optimizing Fruit Spacing in Florida Peach Production. G.K. England¹, R.A. Atwood² and Mercy Olmstead³. ¹UF/IFAS Sumter County Extension, Bushnell, FL. ²UF/IFAS Lake County Extension, Tavares, FL. ³UF/IFAS Horticultural Sciences Dept., Gainesville, FL. (mercy1@ufl.edu) [K-10]

3:00 Krome Memorial Institute Business Meeting, Gary England

3:15 Break

3:30 Performance of Blueberry Cultivars under High Tunnels. Teresa P. Salame-Donoso and B.M. Santos, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL. (terrych@gmail.com) [K-11]

4:15 Discussion
4:30 End of afternoon session/End of program

6:00 Industry Reception (Palm Court Foyer; Included in paid conference registration)

Tuesday Morning

12:00 Extension Luncheon (Fred’s; Event ticket required)

Krome Memorial Section Poster:
Field Evaluation of Blueberry Pruning Techniques. [P-8-K-13]

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HANDLING & PROCESSING SECTION

Alvin Cheng, Presiding
(alvin.cheng@jbtc.com)
Francisco Loayza, Student Section Assistant
(francisco.loayza@ufl.edu)

Plaza D

Monday Morning Session (10:00 – 11:45am)

10:00 Welcome and Introductions, Alvin Cheng

10:15 Habitual Orange Juice Intake Contributes to the Stability of Weight, Body Fat and Body Measurements in Humans. J.Q. Silveira, C.G. Lima, Thaís Cesar. (tcesar@fcfar.unesp.br) [HP-1]

10:30 The Effect of Fruit Size and Health Status on Orange Juice Consumer Acceptance Attributes. R.M. Goodrich, C.O. Ipechukwu, C.A. Sims, M.D. Danyluk and T. Spann. (opacino@ufl.edu) [HP-2] (Student Best Oral Presentation Competition Entry)

10:45 Establishing CO₂ Tolerance of Pink Tomatoes in MAP at Elevated Handling Temperatures. Angelos I. Deltidis, Eleni D. Pliakoni and Jeffrey K. Brecht. (adeltsidis@ufl.edu) [HP-14] (Student Best Oral Presentation Competition Entry)

11:00 Effect of Abscission Agent on Citrus Juice Quality. M.D. Danyluk, L.M. Friedrich, and T.M. Spann. (MDDanyluk@ufl.edu) [HP-4]

11:15 Stability of Headspace Volatiles in an Orange Juice-NaCl Matrix System at Room Temperature. Elizabeth Baldwin, Jinhe Bai, and Anne Plotto. (liz.baldwin@ars.usda.gov) [HP-5]

11:30 Food Safety in the Fresh Produce Industry: Current Status and Future Direction. John M. Siddle (john.siddle@jbtc.com) [HP-6]
Monday Afternoon Session (1:20-5:15pm)

1:20 Welcome and Introductions, Alvin Cheng

1:30 Quantifying Norovirus Contamination and Removal from Produce and Food Contact Surfaces during Food Preparation and Handling. Jennifer L. Cannon, C.P. Sharps, Qing Wang, R.I. Turk and C. Smith. (jcannon@uga.edu) [HP-7]

1:45 Environmental Conditions Encountered during Distribution from the Field to the Store Affect the Quality of ‘Albion’ Strawberry. Yun-Pai Lai and M. Cecilia N. Nunes. (Yun-Pai@poly.usf.edu) [HP-8]

2:00 Potential for Grading, Sanitizing and Hydrocooling Fresh Strawberries. Angelo P. Jacomino, Steven A. Sargent, Adrian D. Berry, and Jeffrey K. Brecht. (jacomino@ufl.edu) [HP-9]

2:15 Detection of Fluorescent Compounds in Citrus Leaf Cankers. John A. Manthey and Jan A. Narciso. (John.Manthey@ARS.USDA.GOV) [HP-10]

2:30 Trichoderma Rot on ‘Fallglo’ Tangerine Fruit. Cuifeng Hu, Erin Rosskopf, and Mark A. Ritenour. (cuifenghu@ufl.edu) [HP-11]

2:45 The Potential Role of New Citrus Postharvest Fungicides in Penicillium-resistance Management in Florida Packinghouses. John Zhang. (Jzhang@citrus.state.fl.us) [HP-12]

3:00 Handling & Processing Section Business Meeting, Gregg McCollum

3:15 Break


3:45 Dietary Intervention with Orange Juice on the Oxidative Status of Patients with Chronic Hepatitis C. Delfina A. Manjate, Ana Lúcia M. Nasser, Paulo Inacio da Costa, Thaïs B. Cesar. (tcesar@fcfar.unesp.br) [HP-3]

4:00 Shelf-Life of Vine Tomato (Lycopersicum esculentum) Stored at Non-chilling
Temperature and Different Relative Humidity Levels. Debra Chilson, Astrid Delgado and M. Cecilia N. Nunes (dchilson@poly.usf.edu) [HP-15]

4:15  Effect of Fruit Coating on Litchi Postharvest Shelf-Life. Guiwen ‘Alvin’ Cheng and Daoming ‘Kevin’ Li. (alvin.cheng@jbt.com) [HP-16]

4:30  Pepper Bruising Increases with Lower Temperature and Higher Turgidity. Jeffrey K. Brecht and Steven A. Sargent. (jkbrecht@ufl.edu) [HP-17]

4:45  Sensory Evaluation of Tangerine Hybrids at Multiple Harvests. Anne Plotto and Elizabeth Baldwin. (Anne.Plotto@ARS.USDA.GOV) [HP-18]

5:00  Discussion

5:15  End of afternoon session/End of program

6:00  Industry Reception (Palm Court Foyer; Included in paid conference registration)

Tuesday Morning

12:00  Extension Luncheon (Fred’s; Event ticket required)

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CITRUS SECTION

Ryan Atwood, Presiding  
(raatwood@ufl.edu)  
Eduardo Chica, Student Section Assistant  
(echica@ufl.edu)

Vinoy Grand Ballroom

Monday Morning Session (10:00 – 11:45am)

10:00  Welcome and Introductions, Ryan Atwood

10:15  Salinity Tolerance of Cleopatra Mandarin Seedlings and Two of its Trifoliata Hybrids, US-897 and x639. Jim Syvertsen and Wije Bandaranayake, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (jmsn@ufl.edu) [C-1]

10:30  Measuring and Modeling Transpiration in Relation to Citrus Tree Size using Sap Flow Sensors. Laura Waldo, Kirandeep Mann, Arnold Schumann, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (ljwaldo@ufl.edu) [C-2]
Citrus Shoot Age and Flowering Potential. L. Gene Albrigo and Eduardo J. Chica, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (albrigo@crec.ifas.ufl.edu) [C-3]

NAA Thinning of ‘W Murcott’. Ryan Atwood, UF/IFAS Lake County Extension, Tavares, FL; Nick Faryna, Faryna Grove Care & Harvesting, Umatilla, FL; Ed Stover, USDA/ARS, Ft. Pierce, FL. (raatwood@ufl.edu) [C-7]

Lack of Transmission of Huanglongbing (HLB) by Citrus Seed. Jim Graham, Evan Johnson, Diane Bright, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL; Mike Irey, US Sugar Corp., Clewiston, FL. (jhgraham@ufl.edu) [C-5]

Starch Analyses of HLB-affected and Control Healthy Leaves Reveal Variations in the Amylose/Amylopectin Ratio. Ed Etxeberria and Pedro Gonzalez, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (eje@crec.ifas.ufl.edu) [C-6]

End of morning session/Lunch on your own (at Shawn’s or Alfresco’s)

Monday Afternoon Session (1:20-4:30pm)

Welcome and Introductions, Ryan Atwood

Stimulation of Flowering in Basal Buds of Sweet Orange by Removal of Terminal Buds before Floral Induction. Eduardo J. Chica and L. Gene Albrigo, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (echica@ufl.edu) [C-4] (Student Best Oral Presentation Competition Entry)

Comparison of Copper Formulations for Control of Citrus Canker on ‘Hamlin’ Orange. Jim Graham and Megan Dewdney, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL; Henry Yonce, KAC Agricultural Research, Deland, FL. (jhgraham@ufl.edu) [C-8]

Foliar Sprays of Insecticides Targeted at Flushing Citrus to Control Asian Citrus Psyllid and Citrus Leafminer. Jawwad A. Qureshi, Barry Kostyk and Philip A. Stansly UF/IFAS, Southwest Florida Research and Education Center, Immokalee, FL. (jawwadq@ufl.edu) [C-9]

Evaluation of Wind Speeds within a Central Florida Citrus Grove: Potential Implications for Pesticide Spray Applications. W.C. Oswalt, UF/IFAS Polk County Extension, Bartow, FL; R.A. Atwood, UF/IFAS Lake County Extension, Tavares, FL; S.H. Futch and M.E. Rogers, UF/IFAS Citrus
A Summary of Nematode Soil Sampling Results From the Indian River Area in 2010-2011. Timothy P. Gaver, UF/IFAS St. Lucie County Extension, Ft. Pierce, FL; Larry Duncan, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL; and, Alex Truszkowski, DuPont Crop Protection. (tgaver.49@ufl.edu) [C-11]


Citrus Section Business Meeting, Fritz Roka

Dolomitic-phosphate-rock-based Slow Release Fertilizer for Agriculture and Landscapes. Y. G. Yang, Z. L. He, P. J. Stoffella and X. E. Yang UF/IFAS Indian River Research and Education Center, Fort Pierce, FL. (ygyang@ufl.edu) [C-13]

Response of Citrus to Exogenously Applied Salicylate Compounds during Abiotic and Biotic Stresses. Kirandeep Mann, Arnold Schumann, Timothy Spann, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (mannkk@ufl.edu) [C-14]

Quantification of Furanocoumarins and Acids in Grapefruit Hybrid Populations to Evaluate Their Relation and Assist Selection. Chunxian Chen, Fred Gmitter Jr., UF/IFAS Citrus Research and Education Center, Lake Alfred, FL; Carl Haun and Paul Cancalon, Florida Department of Citrus, Lake Alfred, FL. (cxchen@ufl.edu) [C-15]

Air Temperatures within a Central Florida Citrus Grove using Microsprinkler Irrigation for Cold Protection. W.C. Oswalt, UF/IFAS Polk County Extension UF, R.A. Atwood, Lake County Extension Service, UF, and T.M. Spann, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (wcoswalt@ufl.edu) [C-16]

Discussion

End of afternoon session

Industry Reception (Palm Court Foyer; Included in paid conference registration)
Tuesday Morning Session (10:00 – 11:45am)

10:00 Welcome and Introductions, Fritz Roka VP-elect (fmroka@ufl.edu)

10:15 Economic Arguments for and against Tree Eradication to Control HLB. Fritz Roka, UF/IFAS Southwest Florida Research and Education Center, Immokalee, FL. (fmroka@ufl.edu) [C-17]

10:30 Balanced Mineral Nutrition Decreases Greasy Spot Incidence in Citrus. Kirandeep Mann, Arnold Schumann, and Timothy Spann, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (mannkk@ufl.edu) [C-18]

10:45 Rehabilitation of HLB-infected Trees by Severe Pruning and Good Nutrition. Bob Rouse, UF/IFAS Southwest Florida Research and Education Center, Immokalee, FL. (rrouse@ufl.edu) [C-19]

11:00 New Somatic Hybrid Rootstock Candidates for Tree-Size Control and High Juice Quality. J.W. Grosser and G.A. Barthe, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (jgrosser@ufl.edu) [C-20]

11:15 Update on the Advanced Citrus Production System in Florida. Arnold Schumann, Kevin Hostler, Kirandeep Mann, and Laura Waldo, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (schumaw@ufl.edu) [C-21]

11:30 Optimal Replacement Times for Citrus Groves: The Use of Advanced Production Systems to Mitigate Endemic HLB. Robert A. Morris and Ronald P. Muraro, UF/IFAS Citrus Research and Education Center, Lake Alfred, FL. (ramorris@ufl.edu) [C-22]

11:45 End of program

12:00 Extension Luncheon (Fred’s; Event ticket required)

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**EXTENSION LUNCHEON SPEAKERS**

- Mr. Ted Campbell, 2011
- Mr. Kevin Morgan, 2010
- Dr. Jim Horne, 2009
- Mr. Armando Campos, 2008
- Mr. Ted Winsberg, 2007
- Mr. Chuck Obern, 2006
- Dr. Larry Arrington, 2005
IN-SERVICE TRAINING AND PRODUCER WORKSHOP

IMPACT OF RECENT LEGISLATION ON FLORIDA AGRICULTURE

Steve Sargent, Aparna Gazula, Bob Hochmuth, and Bielinski Santos, Co-organizers
(sasa@ufl.edu)

Vinoy Grand Ballroom

1:30 Welcome and Introductions – Aparna Gazula, UF/IFAs Alachua County Extension, Gainesville, FL. (agazula@ufl.edu)

1:35 Pre-training test

1:45 Impact of the Numeric Nutrient Criteria and Water Use Restrictions on Florida Agriculture, Bill Bartnick, Environmental Administrator, Office of Agricultural Water Policy, Florida Dept. of Agriculture & Consumer Services, Tallahassee, FL.


3:00 Break

3:15 Moderator: Gene McAvoy, UF/IFAS Hendry County Extension, LaBelle, FL. (gmcavoy@ufl.edu)


4:00 Impact of New Fumigant Regulations on the Horticulture Industry, Andrew MacRae, Extension Weed Specialist, UF/IFAS Gulf Coast Research and Education Center, Wimauma, FL.

4:30 Questions & Answer Session

4:45 Post-training test

5:00 Adjourn. Have a safe trip home!

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